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F-8041



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Naohiko TSUZUKI, et al.
Patent No. : 7,004,224
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For : DIECASTING MACHINE

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INFORMATION DISCLOSURE STATEMENT
PRIOR ART CITATION UNDER 37. CFR 1.501

Sir:

Submitted herewith is an Information Disclosure Citation (IDC). The enclosed prior art references are believed to have a bearing on the patentability of claims patented in the referenced patent. However, the following is an explanation of how the claims differ from the references:

A hydraulic circuit which is described in cited Document 1; JP H07-156225 comprises a pump (7) which is rotated by a variable speed motor (4), a tank (9) which stored hydraulic oil, a pipeline (14) which is prepared to supply hydraulic oil to chamber (5a) in order to move piston (6) forward, a pipeline (8) which is

F8041 prior art citation {PC05 }.wpd


prepared to return hydraulic oil from chamber (5b) to tank (9). When piston (6) is moved backward, pump (7) is rotated to reverse direction by motor (4) to return to hydraulic oil from chamber (5a). And pressurized-gas is supplied to tank (9) to pressurize tank (9) from a source of pressurized-gas, which is connected to tank (9). Then hydraulic oil is supplied to chamber (5b) through pipeline (8).

Therefore, to move piston (6) backward with the hydraulic circuit as is stated above, it is necessary to comprise a source of pressurized-gas to pressurize tank (9).


In this respect, the hydraulic circuit described in the present invention is not required such a source of pressurized-gas, because it is possible to move piston backward with operating a check and one way valve and a pump.

Respectfully submitted,

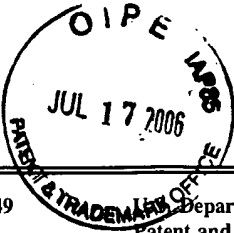
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U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
		US-					
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	F1	JP- 2001-47299	2/20/2001	JP			Y ^{*s}
	F2	JP- 7-156225	6/20/1995	JP			Y ^{*s}
TRANSLATION KEY: * English Abstract. ^F Concise statement of relevance provided in foreign search report. ^C Concise statement of relevance provided in specification or in attachment to document. ^S Concise statement of relevance provided in IDS. ^P Relevant portion of document translated. ^O English abstract only - copy of document in pct search.							
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